

Patent Abstracts of Japan

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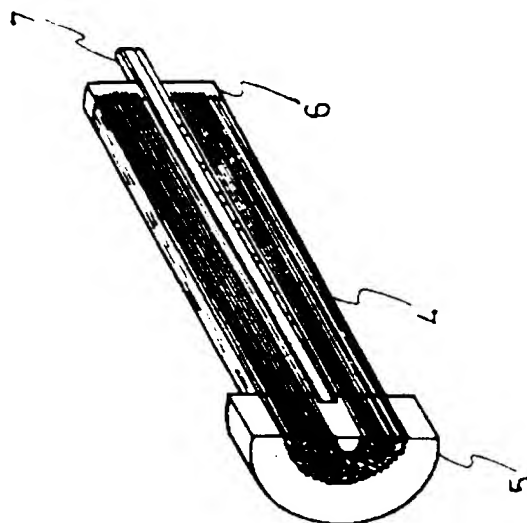
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APPLICATION NUMBER : 56045300

APPLICANT : TOYOBO CO LTD;

INVENTOR : NAGATOMO NIRO;

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TITLE : SEPARATION MEMBRANE  
APPARATUS



ABSTRACT : PURPOSE: To provide the separation membrane apparatus with excellent heat resistance and corrosion resistance by sealing end parts of a porous hollow glass fiber with a specific inorg. binder.

CONSTITUTION: A hollow fiber is formed from porous glass which is high silicate glass containing  $\text{SiO}_2$  and, when the end parts of the fiber bundle 4 comprising said hollow fibers are arranged in the mold of a partition wall along with a powder mixture of ceramics having a negative coefficient of thermal expansion obtained by baking for 5hr and an inorg. binder having a softening point of  $1,000^\circ\text{C}$  or less such as Pylex glass or aluminosilicate and heated to the softening point or more of the binder and cooled, the partition wall 6 having ceramics powder dispersed in the binder thereof and glass fibers penetrating therethrough is obtained.

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